Partner:
Model:
Device Type:

CRESTRON
CERTIFIED **INTEGRATED** PARTNER

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Toshiba TD-E Series Demo Program v1.0 TCP-IP
CATEGORY:	Display
VERSION:	1.0
SUMMARY:	This module provides basic control from the Toshiba display
GENERAL NOTES:	This unit will not push information to the control system. It must be polled. The program mill handle feedback after the initial poll, or anytime the power on command is used. Any use of the IR remote or the Displays Front Panel will make the module out of sync with the TV and a Query should be used to re sync the interface.
CRESTRON HARDWARE REQUIRED:	Crestron Controller or Device with a Serial Port.
SETUP OF CRESTRON HARDWARE:	.None
VENDOR FIRMWARE:	
VENDOR SETUP:	Communication settings must be set to Ethernet in the TV Menu
CABLE DIAGRAM:	None

CONTROL:

Query_Feedback	D	Pulse to query for feedback. Must be pulse to request feedback used in this module
Power_On	D	Pulse to power on the display. Also queries for feedback used in this module
Power_Off	D	Pulse to power off the display
Input_HDMI_1	D	Pulse to set the displays input to HDMI 1
Input_HDMI_2	D	Pulse to set the displays input to HDMI 2
Input_DVI-D	D	Pulse to set the displays input to DVI-D
Input_VGA	D	Pulse to set the displays input to VGA
Input_Component	D	Pulse to set the displays input to Component

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Input_AV	D	Pulse to set the displays input to AV
Input_USB_Photo	D	Pulse to set the displays input to the USB Input and selects Photos if they are present
Input_USB_Music	D	Pulse to set the displays input to the USB Input and selects Music if they are present
Input_USB_Movie	D	Pulse to set the displays input to the USB Input and selects Movies if they are present
Volume_Up	D	Pulse to trigger volume up to the display
Volume_Down	D	Pulse to trigger volume down to the display
Mute	D	Pulse to toggle mute to the display
Pic_Mode_Standard	D	Pulse to set the display Picture Mode to Standard
Pic_Mode_Dynamic	D	Pulse to set the display Picture Mode to Dynamic
Pic_Mode_sRGB	D	Pulse to set the display Picture Mode to sRGB
Pic_Mode_Cinema	D	Pulse to set the display Picture Mode to Cinema
Pic_Mode_Custom	D	Pulse to set the display Picture Mode to Custom
Pic_Overscan_On	D	Pulse to set the display Overscan Mode to On
Pic_Overscan_Auto	D	Pulse to set the display Overscan Mode to Auto
Pic_Overscan_Off	D	Pulse to set the display Overscan Mode to Off
{{Socket_TCP/IP_Client_>>_Connect-F}}	D	Connect to the TCP-IP Socket symbol Connect F Output. Remains high for as long as the processor is connected to the display. This module is not designed to stay connected constantly. The display will not allow this
{{Socket_TCP/IP_Client_>>_status}}	A	Connect to the TCP-IP Socket symbol status output.
{{Socket_TCP/IP_Client_>>_RX$}}	S	Connect to the TCP-IP Socket symbol RX output to receive data from the display

FEEDBACK:

Busy_Retreiveing_Fb	D	This will remain high while the display is processing return information.

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Power_On_Fb	D	High when display power is on
Power_Off_Fb	D	High when display power is off
Input_HDMI_1_Fb	D	High when the display is on HDMI 1 input
Input_HDMI_2_Fb	D	High when the display is on HDMI 2 input
Input_DVI-D_Fb	D	High when the display is on DVI-D input
Input_VGA_Fb	D	High when the display is on VGA input
Input_Component_Fb	D	High when the display is on Component video input
Input_AV_Fb	D	High when the display is on AV input
Input_USB_Photo_Fb	D	High when the display is on USB Photo input
Input_USB_Music_Fb	D	High when the display is on USB Music input
Input_USB_Movie_Fb	D	High when the display is on USB Movie input
Mute_On_Fb	D	High when the display is Muted
Mute_Off_Fb	D	High when the display is not Muted
Pic_Mode_Standard_Fb	D	High when the display Picture Mode is Standard
Pic_Mode_Dynamic_Fb	D	High when the display Picture Mode is Dynamic
Pic_Mode_sRGB_Fb	D	High when the display Picture Mode is sRGB
Pic_Mode_Cinema_Fb	D	High when the display Picture Mode is Cinema
Pic_Mode_Custom_Fb	D	High when the display Picture Mode is Custom
Pic_Overscan_On_Fb	D	High when the display Overscan is On
Pic_Overscan_Auto_Fb	D	High when the display Overscan is set to Auto
Pic_Overscan_Off_Fb	D	High when the display Overscan is set to Off
{{Socket_Connect_>>_TCP/IP_Client}}	D	Connect to the TCP-IP Socket symbol Connect input to send data to the display
{{Socket_TX$_>>_TCP/IP_Client}}	D	Connect to the TCP-IP Socket symbol TX input to send data to the display

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PARAMETERS:

Address High Byte Value	S	The Displays Address High Byte Value in Hex
Address Low Byte Value	S	The Displays Address Low Byte Value in Hex

TESTING:

OPS USED FOR TESTING:	1.501.0013
SIMPL WINDOWS USED FOR TESTING:	4.03.20
DEVICE DB USED FOR TESTING:	74.00.002.00
CRESTRON DB USED FOR TESTING:	55.05.004.00
SYMBOL LIBRARY USED FOR TESTING:	1001
SAMPLE PROGRAM:	Toshiba TD-E Series Demo Program v1.0 TCP-IP
REVISION HISTORY:	V1.0 Initial Release

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